

## ABSTRACT

Systems and methods which vary the frame capture rate of the camera  
5 and/or frame display rate of the display unit of in vivo camera systems are  
discussed. The capture rate is varied based on physical measurements related  
to the motion of the camera. Alternatively, the frame capture rate is varied  
based on comparative image processing of a plurality of frames. The frame  
display rate of the system is varied based on comparative image processing of  
10 a multiplicity of frames. Both the frame capture and the frame display rates of  
such systems can be varied concurrently.